

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch

690 Walnut Ave.St. 150

Vallejo, CA 94592-1133

(707) 649-5453

(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.yy**DAILY PROJECT JOURNAL****Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Report No:** DPJ-000041**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Dated:** 11-Jan-2007**Location:** Changxing Island, Shanghai, China

<b>Submittals(New / Total):</b>	<b>CWR's: 0 / 0</b>	<b>HSR's: 0 / 0</b>	<b>NCR's: 0 / 0</b>
---------------------------------	---------------------	---------------------	---------------------

Item	Title	Detail
1	Major component movement	<p>Conducted welding of the following PQR test plates:</p> <p>1G Flux Core Arc Welding (FCAW) procedure identified as HP-2006128 on 75mm A709-345 (non-standard joint due to 20mm root). Welding is complete.</p> <p>3F Flux Core Arc Welding (FCAW) procedure identified as HP-2006127 on 26mm HPS 485W fillet welds. Welding is complete.</p> <p>1F Submerged Arc Welding (SAW) procedure identified as HP-2006139-1 on 26mm A709-345 fillet welds. Welding is complete.</p>
2	Key conversations	<p>ZPMC informed QA that they would be performing 3 additional PQR qualification tests tomorrow. They will be performing a new 1G Gas Metal Arc Welding (GMAW) procedure test. They explained that, since the GMAW was for welding the closed-rib welds, ABF had been concerned about the compatibility of the GMAW electrode with the Submerged Arc Welding (SAW) electrode that will be used for the closed-rib welds. To alleviate this concern ZPMC decided to switch to a GMAW electrode that was manufactured by the same company as the SAW electrode. The other two PQR qualification tests will be 1G (flat) plate, and a 1F (flat) fillet weld test performed with 2mm diameter SAW (their previous tests had been performed with 4.8mm electrode).</p>
3	Quality Assurance Inspectors per shift	<p>3 AM + Engineer Jim Merrill</p> <p>0 PM</p>

**Inspected By:** McClary,David

Quality Assurance Inspector

**Reviewed By:** Lowry,Patrick

QA Reviewer